Wednesday, 1/30/2008 7:54:22 AM

Kim Johnston

Process Sheet

: CU-DAR001 Dart Helicopters Services Customer Job Number

Estimate Number

: 37065 : 10524

P.O. Number This Issue

Prsht Rev.

First Issue

Previous Run

: 1/30/2008

: NC

: //

S.O. No. :

Type

: PURCHASED PARTS

: 24593

Written By Checked & Approved By

Comment

: Est:

05.11.14

New Issue

KJ/JLM

: EXTRUSION 'I' BEAM TUBE 4" **Drawing Name**

Part Number : D25001100

D2500 REV G **Drawing Number** : N/A

Project Number **Drawing Revision** : G

Material

: 2/15/2008 **Due Date**

Qty:

100 Um:

Each

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description: **PURCHASING**

Cap8/01/31

1.0

2.0





Comment: PURCHASING

Issue P/0: 5580

a) Extrude as per Dwg D2500

b) Material: 6061-T6 (QQ-A-200/8)

c) Minimum yield tensile strength = 35 ksi

d) Minimum ultimate tensile strength = 38 ksi

e) Minimum elongation = 8%

f) Order at 100" long

g) Bon L Canada Inc. tool #897105

h) To be packed per DSK 066

i) Pull test to ASTM standard B221 required.

j) Material certification is required

Skidtube Extrusion



Comment: Qty.:

1.0000 Each(s)/Unit

Total:

100.0000 Each(s)



PACKAGING 1

EXTRUSION 'I' BEAM TUBE 4"

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Receive & Inspect For Transit Damage Ensure material certification is attached

40 QC6

Comment: DIMENSIONAL CHECK

Inspect dimensions per Dwg D2500

Check Pull test per Dwg D2500 for compliance page attached.

Check hardness with Webster tester

/our



Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES								
DATE STEP		PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			

Part No: D2500-1-100 PAR #: No PAR #: No Date: ON DATE: O

NCR: ろ	1065	Wo	ORK OR	DER NON-CONFORMANCE	(NCR)		·	
		Description of NC		Corrective Action Section B	Verification	Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
08 CH D)	3	MATIL CERT ONLY REFERENCES ASTM BZZI	Q 08.04.W	ENG REVIEWED ASTM & OQ SPEC AND ASTM PROTECTION	NIA		P 42.4.01	
			Pr 051042	BZZ1-06 IS ACCEPTABLE, MATIL OK		10804.02	Q51 647	F0804.02
)×				4		
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		2						

NOTE: Date & initial all entries

Date: User:

Wednesday, 1/30/2008 7:54:22 AM

Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: EXTRUSION 'I' BEAM TUBE 4"

Job Number: 37065

Part Number: D25001100

Job Number:



Seq. #:

Machine Or Operation:

Description:

PACKAGING 1

PACKAGING RESOURCE #1

Comment: PACKAGING RESOURCE #1

Identify.and Stock Location: BACK HACK 40 - SCIDTURE

6.0

FINAL INSPECTION/W/O RELEASE





08/04/08)

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



h 08.08.04

Dart Aerospace Ltd

DuitAo	Copace										
W/O:			WORK ORDER CHANGES								
DATE	STEP	PROC	PROCEDURE CHANGE				Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Part No	:	PAR #:	_ Fault Cateç	gory:	NCR	: Yes	No DQ	\:	Date:		
						QA: N	/C Closed	f:	_ Date: _		
NCR:		W	ORK ORD	R NON-CONFORM	ANCE	(NCR	(1)				
DATE	STEP	Description of NC		ction B	Veritica			Approval	Approval		
DATE	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section	on C	Chief Eng	QC Inspector	
								1			

NOTE: Date & initial all entries



DESIG	Af Af	DRAWN BY	DART AEROSPACE HAWKESBURY, ONTARIO, CANAD	
CHEC	KED	APPROVED #	DRAWING NO. D2500	REV. G SHEET 1 OF 3
DATE			TITLE	SCALE
07.0	04.17		EXTRUSION	NTS
Α		96.03.19	NEW ISSUE	
В		96.03.24	CHANGE INTERNAL WEB	
С		96.04.26	ADD D2500-3 WEB	
D		96.10.07	ADD MATERIAL PROPERTIES	
Ε		96.10.24	CHANGE MATERIAL TEMPER	
F		97.09.29	CHANGE MAT. TO 6061-T6	

ADD NOTES 3,5,6

DELEASE N 07 06 28 H

MATERIAL: 6061-T6 (QQ-A-200/8)1.

> MINIMUM TENSILE YIELD STRENGTH = 35 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 38 KSI MINIMUM ELONGATION = 8%

A SAMPLE FROM EACH BATCH WILL BE PULL TESTED TO ASTM STANDARD B221 BY AN APPROVED TESTING FACILITY TO ENSURE THAT THE BATCH MEETS THE ABOVE MINIMUM MECHANICAL PROPERTIES

07.04.17

2. BREAK ALL SHARP CORNERS 0.010 MAX

SHOP COPY RETURN TO ENGINEERING UNCONTROLLED COPY

3. ALL DIMENSIONS ARE IN INCHES

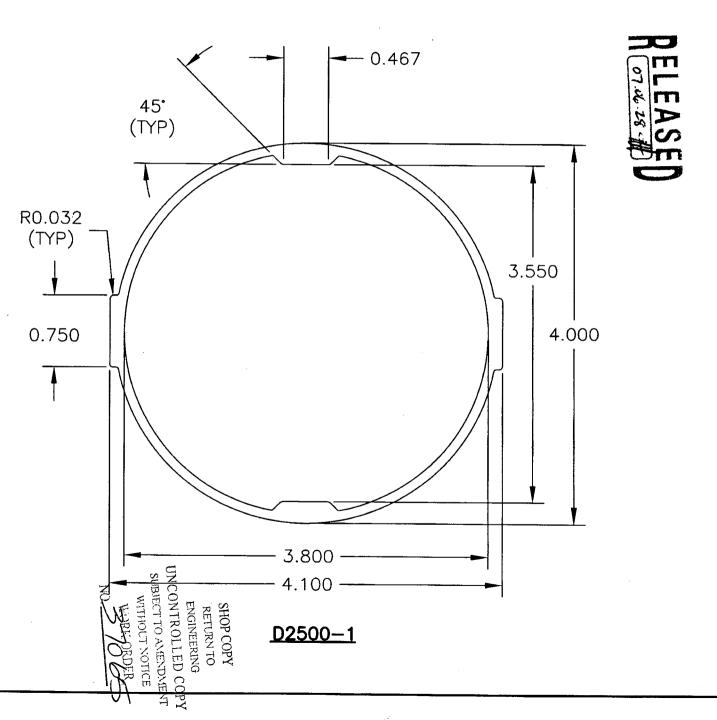
- TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE WITHOUT NOTICE NOTED. 4.
- FOR D2500-1 PART NUMBER IS D2500-1-XXX WHERE XXX IS 5. CUT LENGTH (EX. D2500-1-190 IS 190" LONG) D2500-1 EXTRUSION MANUFACTURED FROM:
 - BON L DIE # 897015 -> PREFERRED A)
 - B) CARADON MIDEAST DIE # PAH-28030
 - CARADON MTL DIE # MH-18868
- 6. FOR D2500-3, PART NUMBER IS D2500-3-XXX WHERE XXX IS CUT LENGTH IN INCHES (EX. D2500-3-100 IS 100" LONG) D2500-3 EXTRUSION MANUFACTURED FROM:
 - CARADON INDALEX DIE # MS-18867

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EXTRUSION 1:1		07.04.17
TITLE SCALE		DATE
D2500 SHEET 2 OF 3	A	*
DRAWING NO. REV. G	APPROVED //	CHECKED 1
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	DRAWN BY	DESIGN

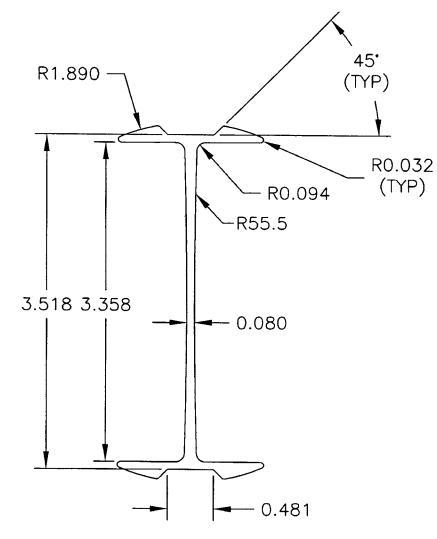


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SIF

DATE 07.04.17 D2500 DRAWING NO. **EXTRUSION** DART RT AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA SHEET 3 OF 3 SCALE <u>::</u>



D2500-3

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ACCT# 00046024

ORDER DATE

SHIP TO
DART AEROSPACE LTD.
1270 ABERDEEN ST.
HAWKESBURY ON
K6A 1K7 CN

PHONE 613-632-5200

CUSTOMER ID

SOLD TO / PURCHASER
DART AEROSPACE LTD.
1270 ABERDEEN ST.
HAWKESBURY ON
K6A 1K7 CN

PHONE 613-632-5200

CUSTOMER PO NUMBER

INVOICING COMPANY AND LOCATION

SIGNATURE ALUMINUM CANADA 1850 CLEMENTS ROAD PICKERING ON L1W 3R8

TERMS / FREIGHT

O / P

LOCATION TRAILER NUMBER SALESMAN
PIC T1T 59358

SHIPPING MANIFEST

MANIFEST DATE 03-03-08

MANIFEST NUMBER 636360

SALES ORDER NUMBER 22912

CREDIT REP SALES REP
HAMBROOK, PAU

REFER TO

THESE NUMBERS ON ALL CORRESPONDENCE

Kutter A

450-435-6551

905-508-3250 FIELD SALES REP CU

CUST SERVICE REP Burton D 905-427-2227

BILL OF LADING NUMBER
00374632

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				MFG: PART NUMBER	ALLOY & TEMPE	ER	FINISH C	ESCRIPTIONN		THIS SHIPMEN	រា		
ITÉM NO.	ORIGINAL ORDER QUANTITY	UNIT	PREVIOUS SHIPPED QUANTITY	CUSTOMER PART NUMBER	LENGTH CUTTING TOLERA	ANCE		ION DESCRIPTION G TOLERANCE	NBR OF PKGS	GROSS POUNDS	NET QUANTITY	UNIT	QUANTITY DUE
01		KG	0	DAA-897105-3	6061 /T	r6 MIL:			5	711	686	KG	0
		М	0	D2500-1-100	100"	CER'	TIFICAT	'E OF COMP			261.62	М	0
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													103
			<u> </u>								606		

JOB

No return materials will be accepted for credit without permission. The articles and/or services covered by this shipping manifest were produced in accordance with the fair labor standards act of 1938 as amended. Order accepted subject to the terms and conditions stated on the reverse side.

PAGE

1

5 711 686 KG 261.62 M 103 PC

Transportation/Traffic damages and/or shortage claims are to be noted on the delivery copy of sellers shipping manifests and signed and dated below by customers authorized representatives.



CERTIFICATE OF COMPLIANCE

SIGNATURE ALUMINUM CANADA

1850 CLEMENTS ROAD
PICKERING, ON L1W 3R8

Cert Date	Cert No	Sales Order	Page
03/03/08	174220	22912	1
Cost 90	RII No		Data
5580	00374632	22912010	3/03/08

Sold To 46024 Ship To

DART AEROSPACE LTD. DAR'
1270 ABERDEEN ST. 1270
HAWKESBURY, ON K6A 1K7 HAW

DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

Item No	Part No	Item Description		Cust Part
1.000	DAA-897105-3	100" MILL 6061 T6		D2500-1-100
Gross Weight	711 K	GS		
Net Gty	686 KC	103 PC	262 M	5 PKG

ASTM B221-06

Mechanical Tests: Test Tensile Yield Bend/ No. MPA / KSI MPA / KSI %Elongation Conductivity Drift HREW 301.2 / 43.7 274.7 / 39.9 8.0 ..0 95 Chemical Analysis: FF CU ZN ΤI

.65 .21 .26 .05 .88 .06 .10 .01

This will certify that the material described herein has been inspected and tested in accordance with Signature Aluminum Canada's standard sampling and testing procedures or in accordance with the requirements of any specification forming a part of the material description to the extent indicated herein. Data of chemical composition for the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgment form. No other warranties are applicable.

Conchita Ko, QA Manager Signature Aluminum Canada Inc

Carshite Lo.